

METHOD AND SYSTEM FOR OPTICAL MEDIUM POWER CALIBRATION

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ABSTRACT OF THE DISCLOSURE

Power settings for writing information to an optical medium are adjusted to compensate for variations in the optical medium from expected characteristics, such as recording layer variations, disc tilt, variability in the outer versus inner diameter of an optical medium and write speed variations. An OPC process is performed at each of plural distributed locations of the optical medium, such as an inner diameter, middle diameter and outer diameter location, to determine a power setting at each location that writes information with the least amplitude and jitter variations. The determined power settings for the plural locations are averaged to determine an adjusted power setting for writing information to the optical medium. The adjusted power setting is saved in volatile or non-volatile memory for use in subsequent writes to optical medium having the same identification code.

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